L Number	Hits	Search Text	DB	Time stamp
305	5950	(LDD or "lightly doped") same contact	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:17
306	5737	((LDD or "lightly doped") same contact) and (dopant or doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:18
307	3623	((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:19
308	817	(((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:50
309	759	((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and (P or phosphorus and As or arsenic or Sb or antimony)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:39
310	684	((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and (B or boron or borane B2H10 or BF2)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:40
311	98	(((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and (P or phosphorus and As or arsenic or Sb or antimony)) not (((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and (B or boron or borane B2H10 or BF2))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:44
312	3	(multi$layer or multilayered) adj doped adj conductor	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:48
313	0	6670682.URPN.	USPAT	2004/08/09 00:45
314	7	("5981332" | "6066894" | "6130145" | "6177697" | "6323525" | "6392303" | "6410951").PN.	USPAT	2004/08/09 00:45
315	3	(multi$layer or multi$layered) adj doped adj conductor	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:55
316	2	(multi$layer or multi$layered) adj doped adj conductive	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:49

317	0	((multi$layer or multi$layered) adj doped adj conductive) not ((multi$layer or multi$layered) adj doped adj conductor)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:49
318	142	((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive"	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:51
319	0	(((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and (diffusive or diffusivity)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:52
321	0	(((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and shallow	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:53
322	5	(((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and (graded or graduated)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:54
324	3	((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and (graded or graduated)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state")	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:54
325	0	(2-layer or 2-layered) adj doped adj conductor	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:56
326	0	(2$layer or 2$layered) adj doped adj conductor	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:56
327	2	(two$layer or two$layered) adj doped adj conductor	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 00:56
328	2	(((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 01:08
320	16	(((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state"	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 01:11

329	533	(((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 01:11
330	317	((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 02:30
331	0	20020158272.URPN.	USPAT	2004/08/09 01:27
332	0	20020098716.URPN.	USPAT	2004/08/09 01:29
333	0	6750091.URPN.	USPAT	2004/08/09 01:33
334	39	("3615929" | "3664896" | "3777364" | "3914137" | "3928095" | "3990099" | "4414737" | "4530149" | "4589193" | "4619887" | "4666556" | "4742014" | "4922319" | "5022742" | "5070383" | "5163178" | "5236851" | "5268316" | "5272097" | "5355301" | "5366908" | "5407851" | "5441907" | "5508224" | "5510287" | "5529943" | "5550075" | "5567644" | "5589418" | "5597741" | "5616946" | "5683939" | "5714768" | "5739563" | "5780343" | "5856214" | "5998244" | "6057195" | "6420725").PN.	USPAT	2004/08/09 01:33
335	1	6067680.URPN.	USPAT	2004/08/09 02:09
336	2	6225214.URPN.	USPAT	2004/08/09 02:09
337	7	("4829024" | "5141892" | "5326722" | "5444302" | "5759905" | "5976961" | "6067680").PN.	USPAT	2004/08/09 02:10
338	10	("5141892" | "5192708" | "5244835" | "5371039" | "5420074" | "5439838" | "5491104" | "5567644" | "5759905" | "5976961").PN.	USPAT	2004/08/09 02:12
339	226	438/607	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 02:41
340	15	438/607 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 02:41
341	15	(438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal)))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 02:39

342	15	(438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" | "3664896" | "3777364" | "3914137" | "3928095" | "3990099" | "4414737" | "4530149" | "4589193" | "4619887" | "4666556" | "4742014" | "4922319" | "5022742" | "5070383" | "5163178" | "5236851" | "5268316" | "5272097" | "5355301" | "5366908" | "5407851" | "5441907" | "5508224" | "5510287" | "5529943" | "5550075" | "5567644" | "5589418" | "5597741" | "5616946" | "5683939" | "5714768" | "5739563" | "5780343" | "5856214" | "5998244" | "6057195" | "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" | "5141892" | "5326722" | "5444302" | "5759905" | "5976961" | "6067680").PN.) not (("5141892" | "5192708" | "5244835" | "5371039" | "5420074" | "5439838" | "5491104" | "5567644" | "5759905" | "5976961").PN.)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 02:41
343	1324	438/629	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 02:50
344	67	438/629 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 02:50

345	60	(438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not (((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not (((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" | "3664896" | "3777364" | "3914137" | "3928095" | "3990099" | "4414737" | "4530149" | "4589193" | "4619887" | "4666556" | "4742014" | "4922319" | "5022742" | "5070383" | "5163178" | "5236851" | "5268316" | "5272097" | "5355301" | "5366908" | "5407851" | "5441907" | "5508224" | "5510287" | "5529943" | "5550075" | "5567644" | "5589418" | "5597741" | "5616946" | "5683939" | "5714768" | "5739563" | "5780343" | "5856214" | "5998244" | "6057195" | "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" | "5141892" | "5326722" | "5444302" | "5759905" | "5976961" | "6067680").PN.) not (("5141892" | "5192708" | "5244835" | "5371039" | "5420074" | "5439838" | "5491104" | "5567644" | "5759905" | "5976961").PN.)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 02:51
346	37	((438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not (((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not (((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" | "3664896" | "3777364" | "3914137" | "3928095" | "3990099" | "4414737" | "4530149" | "4589193" | "4619887" | "4666556" | "4742014" | "4922319" | "5022742" | "5070383" | "5163178" | "5236851" | "5268316" | "5272097" | "5355301" | "5366908" | "5407851" | "5441907" | "5508224" | "5510287" | "5529943" | "5550075" | "5567644" | "5589418" | "5597741" | "5616946" | "5683939" | "5714768" | "5739563" | "5780343" | "5856214" | "5998244" | "6057195" | "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" | "5141892" | "5326722" | "5444302" | "5759905" | "5976961" | "6067680").PN.) not (("5141892" | "5192708" | "5244835" | "5371039" | "5420074" | "5439838" | "5491104" | "5567644" | "5759905" | "5976961").PN.)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 02:50
347	2	6187659.URPN.	USPAT	2004/08/09 02:45
348	6	("5599736" | "5795827" | "5854102" | "5893734" | "5930675" | "6030894").PN.	USPAT	2004/08/09 02:46

349	3310	438/637	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:29
350	193	438/637 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:31
351	124	(438/637 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:29
352	120	((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:32
353	100	(((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" | "3664896" | "3777364" | "3914137" | "3928095" | "3990099" | "4414737" | "4530149" | "4589193" | "4619887" | "4666556" | "4742014" | "4922319" | "5022742" | "5070383" | "5163178" | "5236851" | "5268316" | "5272097" | "5355301" | "5366908" | "5407851" | "5441907" | "5508224" | "5510287" | "5529943" | "5550075" | "5567644" | "5589418" | "5597741" | "5616946" | "5683939" | "5714768" | "5739563" | "5780343" | "5856214" | "5998244" | "6057195" | "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" | "5141892" | "5326722" | "5444302" | "5759905" | "5976961" | "6067680").PN.) not (("5141892" | "5192708" | "5244835" | "5371039" | "5420074" | "5439838" | "5491104" | "5567644" | "5759905" | "5976961").PN.)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:30
354	0	6635966.URPN.	USPAT	2004/08/09 03:20
355	15	("5573963" | "5656861" | "5710073" | "5909618" | "5990021" | "6010933" | "6066528" | "6074960" | "6140684" | "6156634" | "6159844" | "6207543" | "6207575" | "6274424" | "6287951").PN.	USPAT	2004/08/09 03:20
356	427	438/642	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:31

357	28	438/642 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:34
358	14	(438/642 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:34
360	13	((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:35
362	9	(((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" | "5795827" | "5854102" | "5893734" | "5930675" | "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not (((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" | "3664896" | "3777364" | "3914137" | "3928095" | "3990099" | "4414737" | "4530149" | "4589193" | "4619887" | "4666556" | "4742014" | "4922319" | "5022742" | "5070383" | "5163178" | "5236851" | "5268316" | "5272097" | "5355301" | "5366908" | "5407851" | "5441907" | "5508224" | "5510287" | "5529943" | "5550075" | "5567644" | "5589418" | "5597741" | "5616946" | "5683939" | "5714768" | "5739563" | "5780343" | "5856214" | "5998244" | "6057195" | "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" | "5141892" | "5326722" | "5444302" | "5759905" | "5976961" | "6067680").PN.) not (("5141892" | "5192708" | "5244835" | "5371039" | "5420074" | "5439838" | "5491104" | "5567644" | "5759905" | "5976961").PN.)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:32
363	432	438/647	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:34

364	70	438/647 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:31
365	58	(438/647 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:31
366	52	((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:32
367	43	(((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" | "5656861" | "5710073" | "5909618" | "5990021" | "6010933" | "6066528" | "6074960" | "6140684" | "6156634" | "6159844" | "6207543" | "6207575" | "6274424" | "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" | "3664896" | "3777364" | "3914137" | "3928095" | "3990099" | "4414737" | "4530149" | "4589193" | "4619887" | "4666556" | "4742014" | "4922319" | "5022742" | "5070383" | "5163178" | "5236851" | "5268316" | "5272097" | "5355301" | "5366908" | "5407851" | "5441907" | "5508224" | "5510287" | "5529943" | "5550075" | "5567644" | "5589418" | "5597741" | "5616946" | "5683939" | "5714768" | "5739563" | "5780343" | "5856214" | "5998244" | "6057195" | "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" | "5141892" | "5326722" | "5444302" | "5759905" | "5976961" | "6067680").PN.) not (("5141892" | "5192708" | "5244835" | "5371039" | "5420074" | "5439838" | "5491104" | "5567644" | "5759905" | "5976961").PN.)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:35
368	1280	438/648	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:39

369	73	438/648 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:39
370	46	(438/648 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:39
371	42	((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:39
372	24	(((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" | "5795827" | "5854102" | "5893734" | "5930675" | "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" | "3664896" | "3777364" | "3914137" | "3928095" | "3990099" | "4414737" | "4530149" | "4589193" | "4619887" | "4666556" | "4742014" | "4922319" | "5022742" | "5070383" | "5163178" | "5236851" | "5268316" | "5272097" | "5355301" | "5366908" | "5407851" | "5441907" | "5508224" | "5510287" | "5529943" | "5550075" | "5567644" | "5589418" | "5597741" | "5616946" | "5683939" | "5714768" | "5739563" | "5780343" | "5856214" | "5998244" | "6057195" | "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" | "5141892" | "5326722" | "5444302" | "5759905" | "5976961" | "6067680").PN.) not (("5141892" | "5192708" | "5244835" | "5371039" | "5420074" | "5439838" | "5491104" | "5567644" | "5759905" | "5976961").PN.)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:39
373	292	438/650	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:40

374	12	438/650 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:40
375	8	(438/650 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:40
376	6	((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:40
377	4	(((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" | "5656861" | "5710073" | "5909618" | "5990021" | "6010933" | "6066528" | "6074960" | "6140684" | "6156634" | "6159844" | "6207543" | "6207575" | "6274424" | "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not (((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not (((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" | "3664896" | "3777364" | "3914137" | "3928095" | "3990099" | "4414737" | "4530149" | "4589193" | "4619887" | "4666556" | "4742014" | "4922319" | "5022742" | "5070383" | "5163178" | "5236851" | "5268316" | "5272097" | "5355301" | "5366908" | "5407851" | "5441907" | "5508224" | "5510287" | "5529943" | "5550075" | "5567644" | "5589418" | "5597741" | "5616946" | "5683939" | "5714768" | "5739563" | "5780343" | "5856214" | "5998244" | "6057195" | "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" | "5141892" | "5326722" | "5444302" | "5759905" | "5976961" | "6067680").PN.) not (("5141892" | "5192708" | "5244835" | "5371039" | "5420074" | "5439838" | "5491104" | "5567644" | "5759905" | "5976961").PN.)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:41

378	840	438/652	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:48
379	63	438/652 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:48
380	41	(438/652 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:48
381	32	((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:49

| 382 | 20 | (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 03:49 |
| 383 | 1466 | 438/656 | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 03:50 |

| 384 | | 20 | ((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) and (LDD or lightly$doped) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 03:53 |

| 385 | | 20 | ((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 03:50 |

| 387 | | 20 | ((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 03:51 |

| 388 | 0 | ((((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 03:51 |

389	489	438/657	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:53
390	70	438/657 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:50
391	49	(438/657 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:53
392	40	((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:53

| 393 | 21 | (((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 03:54 |

394	446	438/659	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:58
395	75	438/659 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:58
396	64	(438/659 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:58
397	59	((438/659 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 03:58

| 398 | 36 | (((438/659 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" | "5656861" | "5710073" | "5909618" | "5990021" | "6010933" | "6066528" | "6074960" | "6140684" | "6156634" | "6159844" | "6207543" | "6207575" | "6274424" | "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" | "5795827" | "5854102" | "5893734" | "5930675" | "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" | "3664896" | "3777364" | "3914137" | "3928095" | "3990099" | "4414737" | "4530149" | "4589193" | "4619887" | "4666556" | "4742014" | "4922319" | "5022742" | "5070383" | "5163178" | "5236851" | "5268316" | "5272097" | "5355301" | "5366908" | "5407851" | "5441907" | "5508224" | "5510287" | "5529943" | "5550075" | "5567644" | "5589418" | "5597741" | "5616946" | "5683939" | "5714768" | "5739563" | "5780343" | "5856214" | "5998244" | "6057195" | "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" | "5141892" | "5326722" | "5444302" | "5759905" | "5976961" | "6067680").PN.) not (("5141892" | "5192708" | "5244835" | "5371039" | "5420074" | "5439838" | "5491104" | "5567644" | "5759905" | "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" | "5656861" | "5710073" | "5909618" | "5990021" | "6010933" | "6066528" | "6074960" | "6140684" | "6156634" | "6159844" | "6207543" | "6207575" | "6274424" | "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" | "5795827" | "5854102" | "5893734" | "5930675" | | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 03:58 |

399	1173	438/675	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:00
400	65	438/675 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:00
401	40	(438/675 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:00
402	40	((438/675 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:00

| 403 | 15 | (((438/675 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/659 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" | "5656861" | "5710073" | "5909618" | "5990021" | "6010933" | "6066528" | "6074960" | "6140684" | "6156634" | "6159844" | "6207543" | "6207575" | "6274424" | "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" | "5795827" | "5854102" | "5893734" | "5930675" | "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" | "3664896" | "3777364" | "3914137" | "3928095" | "3990099" | "4414737" | "4530149" | "4589193" | "4619887" | "4666556" | "4742014" | "4922319" | "5022742" | "5070383" | "5163178" | "5236851" | "5268316" | "5272097" | "5355301" | "5366908" | "5407851" | "5441907" | "5508224" | "5510287" | "5529943" | "5550075" | "5567644" | "5589418" | "5597741" | "5616946" | "5683939" | "5714768" | "5739563" | "5780343" | "5856214" | "5998244" | "6057195" | "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" | "5141892" | "5326722" | "5444302" | "5759905" | "5976961" | "6067680").PN.) not (("5141892" | "5192708" | "5244835" | "5371039" | "5420074" | "5439838" | "5491104" | "5567644" | "5759905" | "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" | "5656861" | "5710073" | "5909618" | "5990021" | "6010933" | "6066528" | "6074960" | "6140684" | "6156634" | "6159844" | "6207543" | "6207575" | "6274424" | "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" | | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 04:00 |

404	1047	438/685	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:02
405	47	438/685 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:02
406	34	(438/685 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:02
407	29	((438/685 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:02

| 408 | 11 | (((438/685 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/675 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/659 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not (((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 04:02 |

409	318	438/684	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:04
410	35	438/684 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:05
411	29	(438/684 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:04
412	26	((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:04

| 413 | 13 | (((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/685 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/675 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/659 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 04:04 |

and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \|

414	465	438/686	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:04
415	15	438/686 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:06
416	29	((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:05
417	26	(((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:05

| 418 | 0 | ((((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) and (plug or contact)) not (((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/685 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/675 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/659 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 04:05 |

419	1925	438/687	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:06
420	34	438/687 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:05
421	17	(438/687 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:06
422	15	((438/687 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:06

| 423 | | 5 | (((438/687 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) and (plug or contact)) not (((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/685 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/675 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/659 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not (((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not (((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 04:06 |

424	975	438/688	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:07
425	41	438/688 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:07
426	27	(438/688 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:07
427	25	((438/688 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:07

| 428 | 7 | (((438/688 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/687 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) and (plug or contact)) not (((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/685 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/675 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/659 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 04:08 |

and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD

429	46	438/922	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:08
430	3	438/922 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:08
431	3	(438/922 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:08
432	2	((438/922 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:08

| 433 | 2 | (((438/922 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/688 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/687 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) and (plug or contact)) not (((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/685 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/675 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/659 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 04:08 |

434	144	438/923	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:08
435	13	438/923 and (LDD or lightly$doped)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:08
436	11	(438/923 and (LDD or lightly$doped)) and (dopant or ions)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:08
437	8	((438/923 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:08

| 438 | 6 | (((438/923 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/922 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/688 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/687 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) and (plug or contact)) not (((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/685 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/675 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/659 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" | "5656861" | "5710073" | "5909618" | "5990021" | "6010933" | "6066528" | "6074960" | "6140684" | "6156634" | "6159844" | "6207543" | "6207575" | "6274424" | "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" | "5795827" | "5854102" | "5893734" | "5930675" | "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" | "3664896" | "3777364" | "3914137" | "3928095" | "3990099" | "4414737" | "4530149" | "4589193" | "4619887" | "4666556" | "4742014" | "4922319" | "5022742" | "5070383" | "5163178" | "5236851" | "5268316" | "5272097" | "5355301" | "5366908" | "5407851" | "5441907" | "5508224" | "5510287" | "5529943" | "5550075" | "5567644" | "5589418" | "5597741" | "5616946" | "5683939" | "5714768" | "5739563" | "5780343" | "5856214" | "5998244" | "6057195" | "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" | "5141892" | "5326722" | "5444302" | "5759905" | "5976961" | "6067680").PN.) not (("5141892" | "5192708" | "5244835" | "5371039" | "5420074" | "5439838" | "5491104" | "5567644" | "5759905" | "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 04:10 |

439	2	5981332.pn.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:11

| 440 | 2 | 5981332.pn. not (((438/923 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/922 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/688 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/687 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) and (plug or contact)) not (((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/685 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/675 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/659 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 04:11 |

and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or

441	2	6066894.pn.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:11

| 442 | 2 | 6066894.pn. not 5981332.pn. not (((438/923 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/922 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/688 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/687 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) and (plug or contact)) not (((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/685 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/675 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/659 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 04:12 |

443	2	6130145.pn.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:12

| 444 | | 2 | 6130145.pn. not 6066894.pn. not 5981332.pn. not (((438/923 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/922 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/688 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/687 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) and (plug or contact)) not (((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/685 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/675 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/659 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 04:12 |

445	2	6177697.pn.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2004/08/09 04:13

| 446 | 2 | 6177697.pn. not 6130145.pn. not 6066894.pn. not 5981332.pn. not (((438/923 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/922 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/688 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/687 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) and (plug or contact)) not (((438/684 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/685 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/675 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/659 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/657 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not ((((((438/652 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/650 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/648 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/647 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/642 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5573963" \| "5656861" \| "5710073" \| "5909618" \| "5990021" \| "6010933" \| "6066528" \| "6074960" \| "6140684" \| "6156634" \| "6159844" \| "6207543" \| "6207575" \| "6274424" \| "6287951").PN.) not (((438/637 and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (("5599736" \| "5795827" \| "5854102" \| "5893734" \| "5930675" \| "6030894").PN.) not 6187659.URPN. not (438/629 and (LDD or lightly$doped)) not (438/607 and (LDD or lightly$doped)) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and "solid state") not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and dry adj etch$4) and "second conductive") and solid$source) not ((((((LDD or "lightly doped") same contact) and ((dopant or doped) same (conductive or metal))) and plug) and ((second adj3 conduct$5) or (second adj3 metal))) not (("3615929" \| "3664896" \| "3777364" \| "3914137" \| "3928095" \| "3990099" \| "4414737" \| "4530149" \| "4589193" \| "4619887" \| "4666556" \| "4742014" \| "4922319" \| "5022742" \| "5070383" \| "5163178" \| "5236851" \| "5268316" \| "5272097" \| "5355301" \| "5366908" \| "5407851" \| "5441907" \| "5508224" \| "5510287" \| "5529943" \| "5550075" \| "5567644" \| "5589418" \| "5597741" \| "5616946" \| "5683939" \| "5714768" \| "5739563" \| "5780343" \| "5856214" \| "5998244" \| "6057195" \| "6420725").PN.) not 6067680.URPN. not 6225214.URPN. not (("4829024" \| "5141892" \| "5326722" \| "5444302" \| "5759905" \| "5976961" \| "6067680").PN.) not (("5141892" \| "5192708" \| "5244835" \| "5371039" \| "5420074" \| "5439838" \| "5491104" \| "5567644" \| "5759905" \| "5976961").PN.)) and (LDD or lightly$doped)) and (dopant or ions)) and (plug or contact)) not (((438/652 and (LDD or | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/08/09 04:12 |